

ABSTRACT OF THE DISCLOSURE

A method and apparatus for providing network resource reservation capability for receiver nodes that either cannot or do not facilitate RSVP processes is provided. A RESV proxy is connected between an anticipated sender node and an anticipated receiver 5 node in a computer network, e.g., a voice over IP network. The RESV proxy can detect an RSVP Path message and determine whether a RESV message is appropriate for the anticipated traffic flow. If it is so determined, the RESV proxy generates and communicates a RESV message through the network back to the anticipated sender node. The appropriateness of a RESV message can be based upon predetermined relationships 10 or logic involving one or more of network parameters, transport parameters, and characteristics of the anticipated traffic flow, and other traffic flow attributes determined from analyzing the RSVP Path message. The RESV proxy can also interface with a policy server on the network to facilitate generation of the RESV message according to one or more of the anticipated traffic flow attributes. Alternatively, the RESV proxy can 15 include the policy server functionality itself.